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**October 12, 2021**

# **U.S. Construction Outlook:**

## **Pandemic Impacts, Policy Initiatives, Project Implications**

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Change to 9/21 from:

2/20    9/20

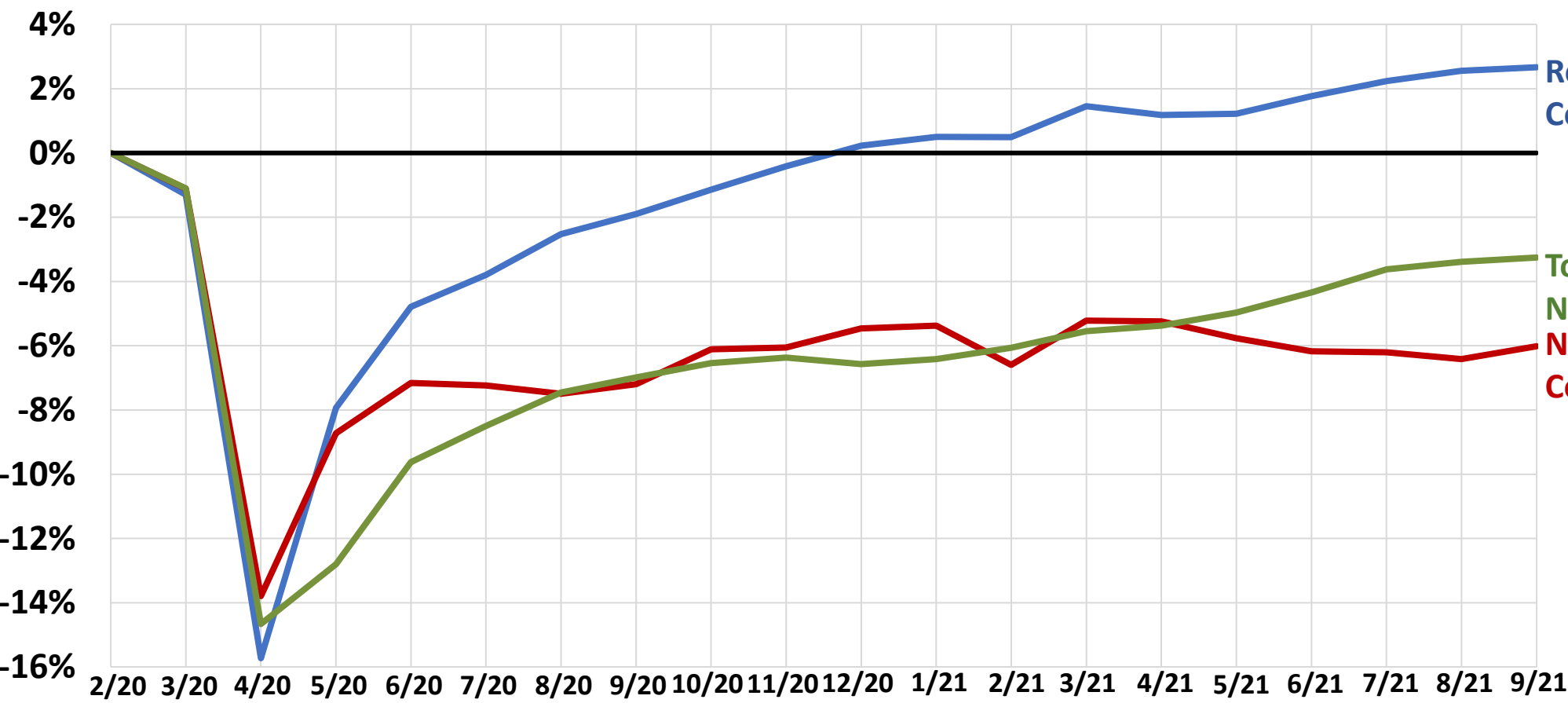
**Residential  
Construction**    **2.7%**    **4.7%**

**Total  
Nonfarm**    **-3.3%**    **4.0%**

**Nonresidential  
Construction**    **-6.0%**    **1.3%**

# Total Nonfarm & Construction Employment, Feb. 2020–Sep. 2021

cumulative change (seasonally adjusted)



# State construction employment change, Feb. 2020–August 2021

11 states and DC **up**, 39 states **down** (U.S.: -3.0%)

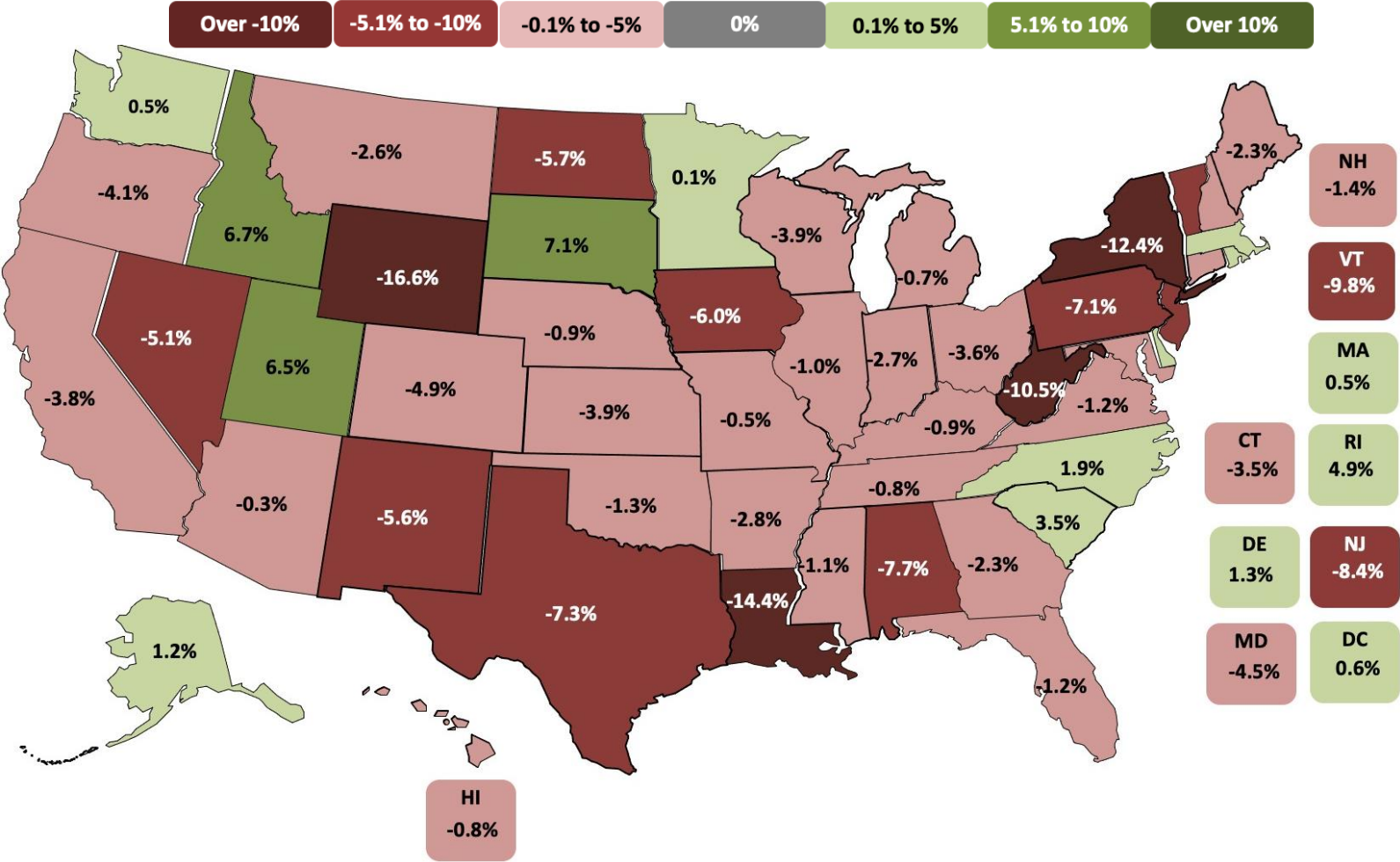


Top 5

South Dakota	7.1%
Idaho	6.7%
Utah	6.5%
Rhode Island	4.9%
South Carolina	3.5%

Bottom 5

Wyoming	-16.6%
Louisiana	-14.4%
New York	-12.4%
West Virginia	-10.5%
Vermont	-9.8%



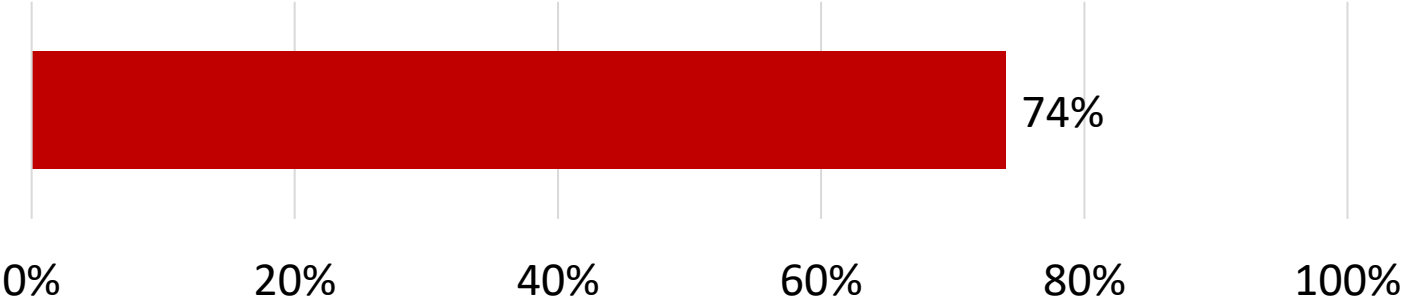
# 2021 AGC Workforce Survey Results

(responses: 2,136)



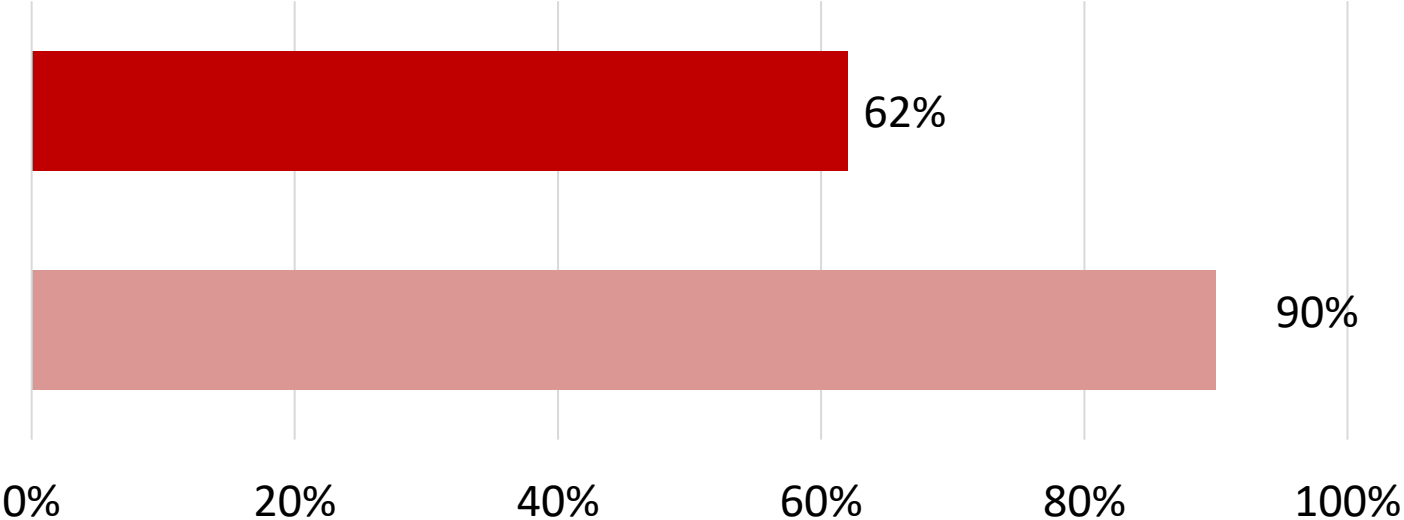
## Hiring expectation

Expect to hire in the next 12 months



## Need to fill open positions

Salaried positions

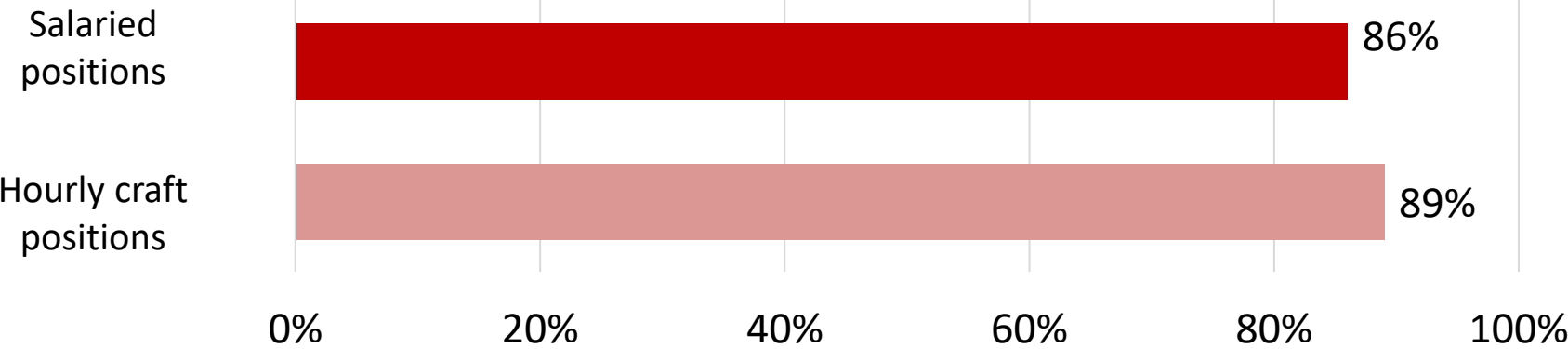


Hourly craft positions

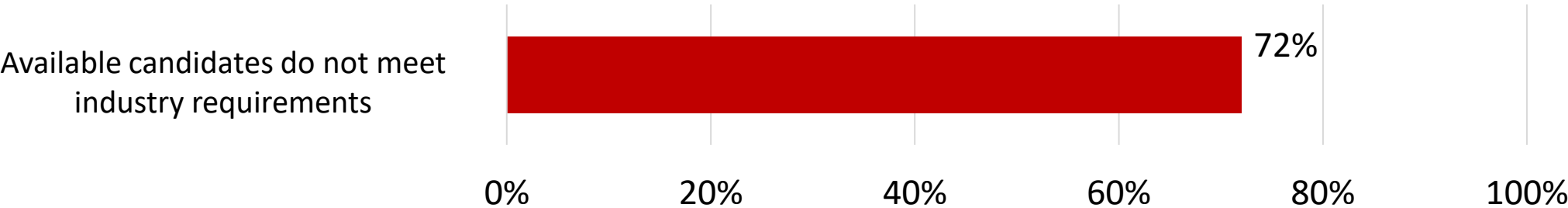
# 2021 AGC Workforce Survey Results



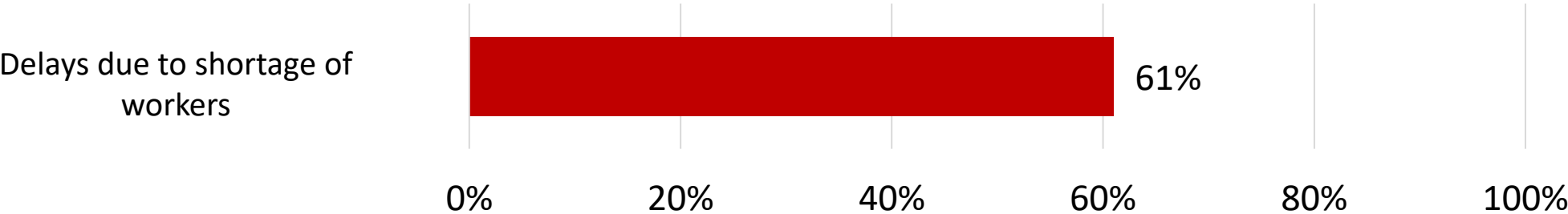
## We are having a hard time filling some or all positions



## Difficulty finding quality workers



## Construction delays

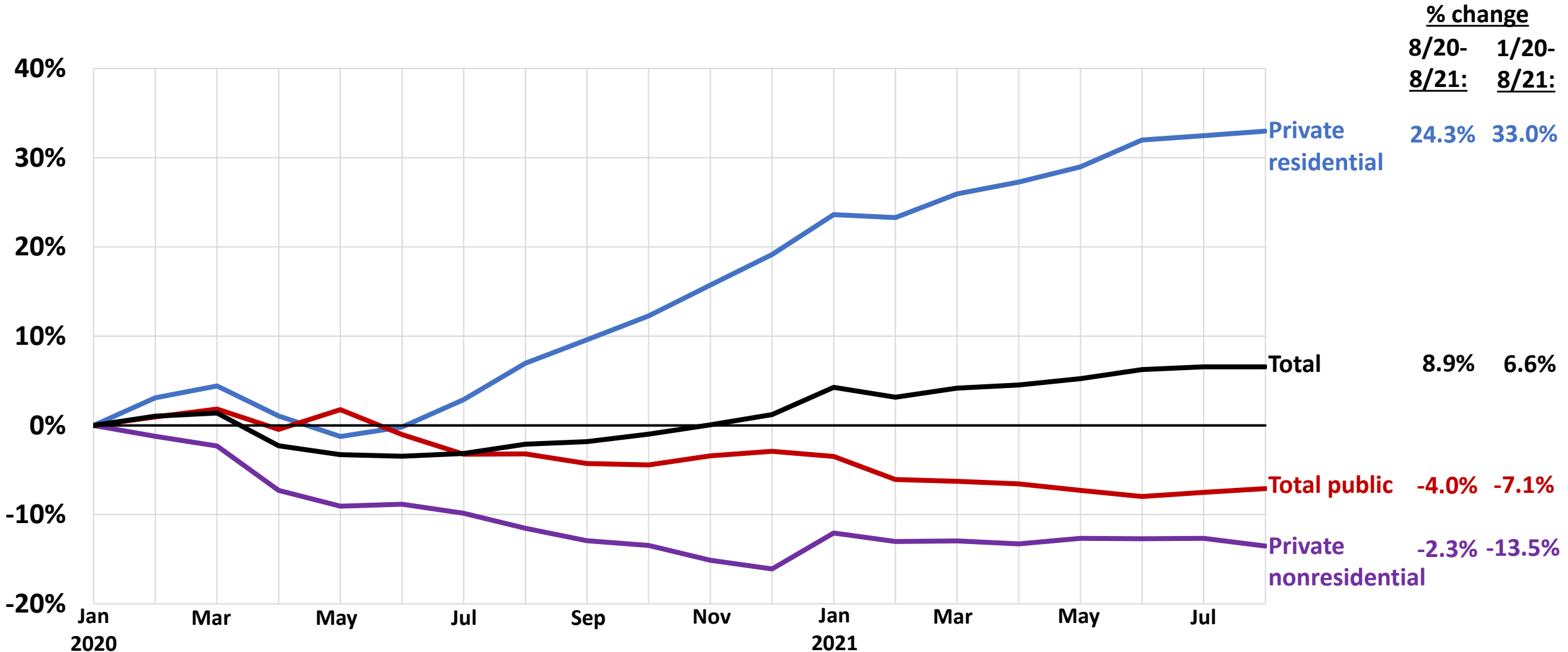


# Construction Spending

Cumulative % change, January 2020 – August 2021, seasonally adjusted



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# Year-to-date construction spending: Jan-August 2021 vs. Jan-August 2020 (not seasonally adjusted)



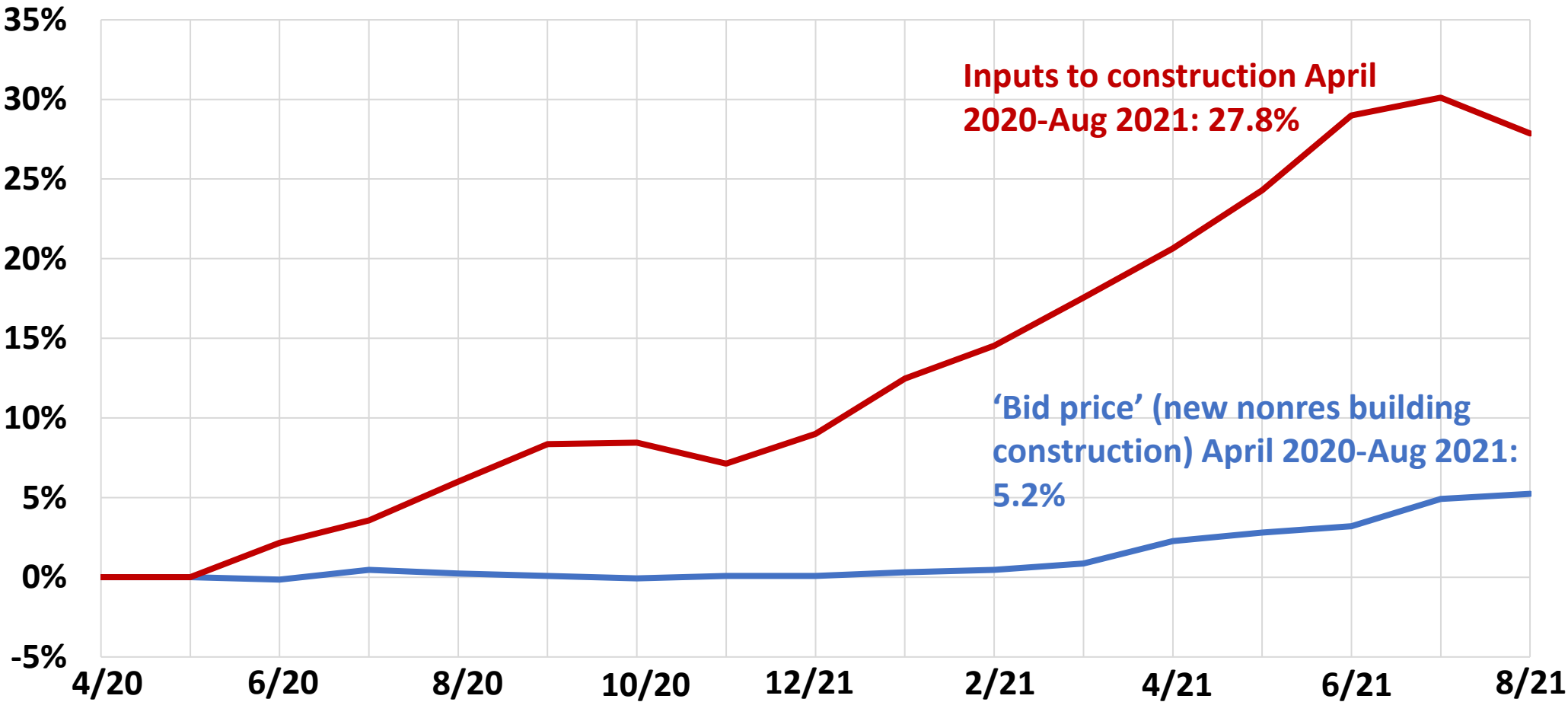
- Total 7%; private residential 26% (single-family 38%; multi 18%); private nonres -7%; public -6%

Largest segments (in descending order of 2021 year-to-date spending)

- Power -3% (electric -2%; oil/gas fields & pipelines -10%)
- Education -11% (primary/secondary -8%; higher ed -16%)
- Highway and street -3%
- Commercial -2% (warehouse 11%; retail -15%)
- Office -10%
- Mfg. -1% (chemical 7%; transp. equip. 4%; food/beverage/tobacco 15%; electronic/electric -17%)
- Transportation -6% (air -12%; freight rail/trucking -6%; mass transit 4%)
- Health care -2% (hospital 3%; medical building -6%; special care -3%)
- Lodging -31%

# Construction input and 'bid price' producer price indexes (PPIs)

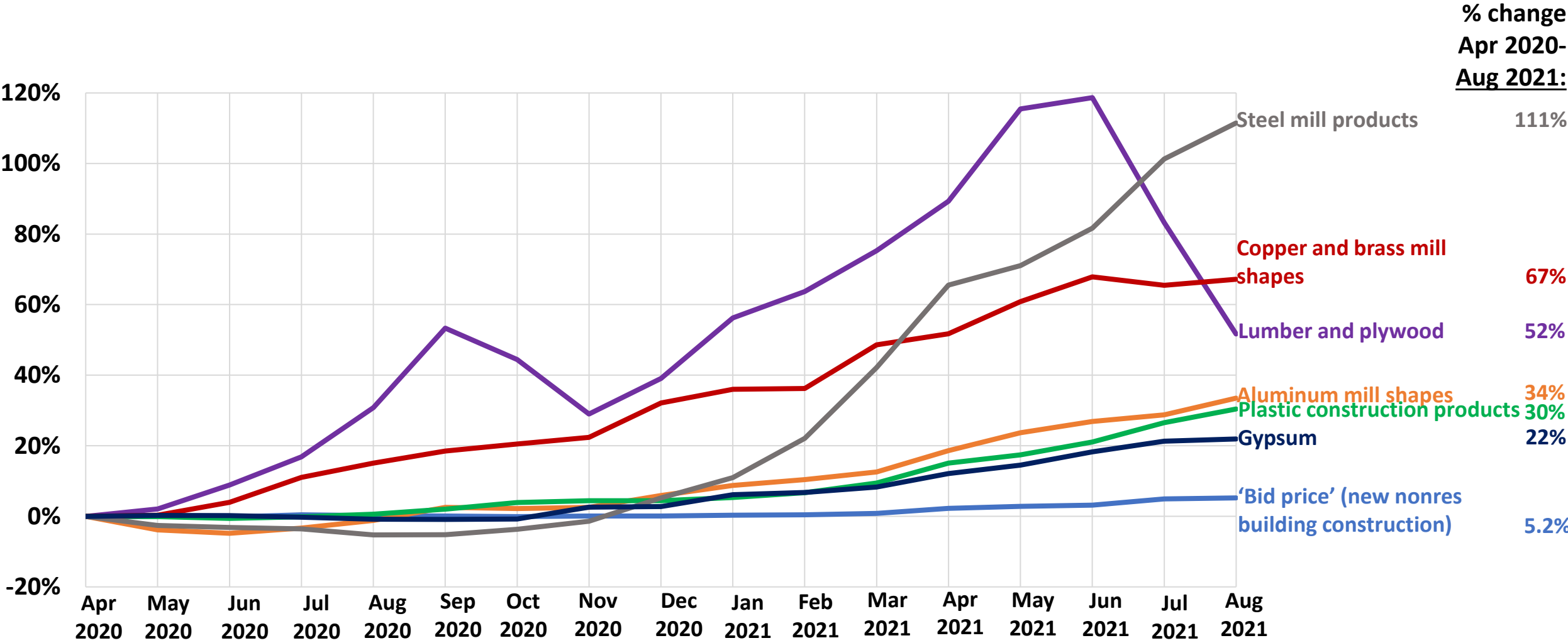
cumulative change in PPIs, April 2020–Aug 2021 (not seasonally adjusted)





# Price changes for construction and selected materials

April 2020- August 2021

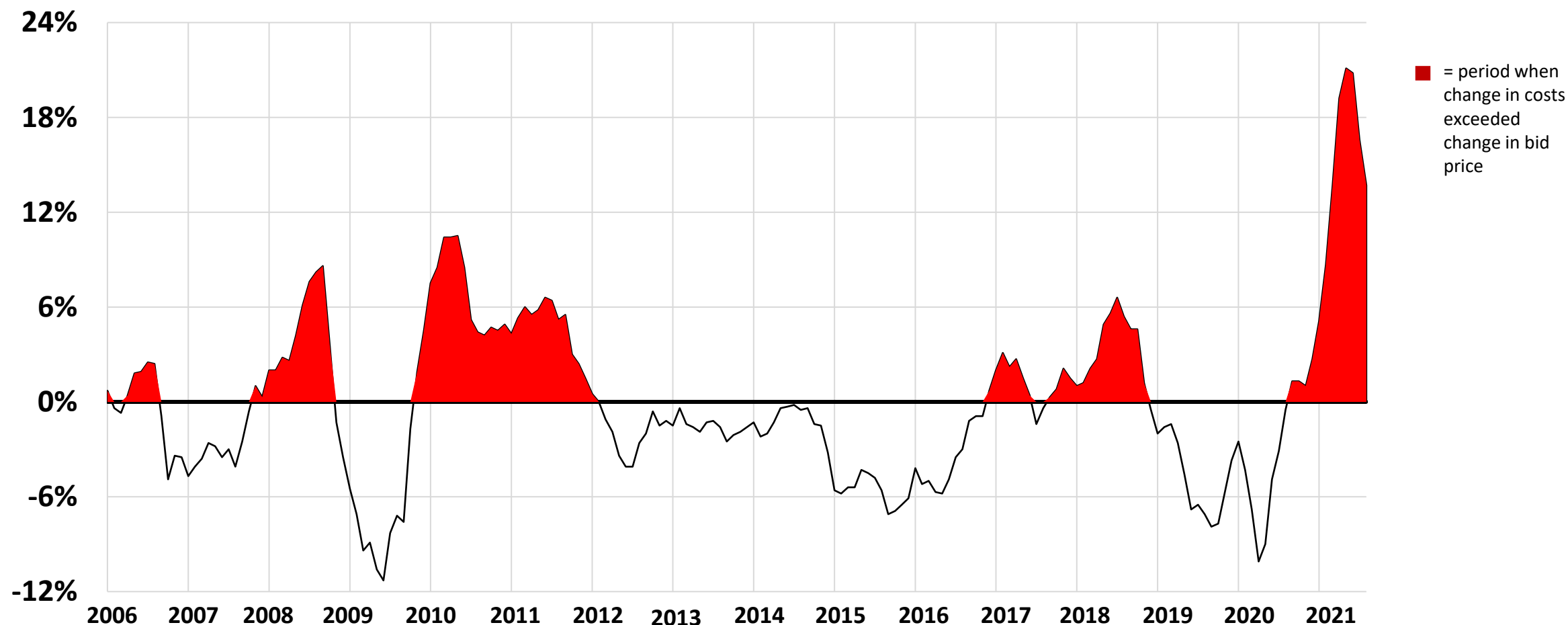


9 | Source: Bureau of Labor Statistics, producer price indexes (PPIs) for new nonresidential building construction (bid prices), gypsum products, wood, metal products, and plastic products, not seasonally adjusted



# Cost squeeze on contractors can last two years or more

Difference between year-over-year change in materials costs vs. bid prices, Jan 2006–August 2021



# AGC's responses to material cost and supply-chain issues



- *Construction Inflation Alert*: <https://www.agc.org/learn/construction-data/agc-construction-inflation-alert>
- ConsensusDocs Price Escalation Resource *Center*: <https://www.consensusdocs.org/price-escalation-clause/>
- *Recording* of webinar on “Soaring Material and Supply-Chain Costs and Delays”: [https://store.agc.org/Store/CSI/Store/Product\\_List\\_WebEds.aspx](https://store.agc.org/Store/CSI/Store/Product_List_WebEds.aspx)
- Presentations to government contracting officials and owner groups
- Lobbying for tariff relief on lumber, steel, aluminum, and products
  - Presentation to National Economic Council, VP's chief economist, Commerce chief economist
  - Presentations in coalitions to counselor to Commerce secretary, Senate & House trade staff

# Forward-looking indicators



Indicator	Latest date	Current value	Year-ago value
Architecture Billings Index (ABI)	August	55.6	41.4
Dodge Momentum Index (DMI)	Sept.	165	127
Multifamily permits not yet started	August	101,000	70,000

# Medium-term impacts as recovery begins



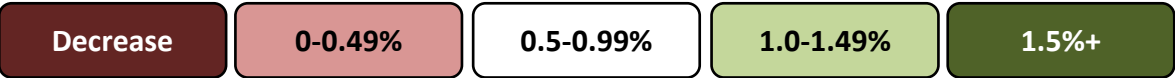
- Economic recovery looks more certain but virus risks remain, especially for construction: vaccination rate = 57% for construction workers, 81% for other occupations
- Slower rebound than for other sectors as owners, investors/lenders, institutions, and public agencies face uncertainty about future demand, project costs, and completion times
- Continuing cost and supply challenges may lead to more project deferrals
- Less demand than pre-crisis for retail, offices, higher ed, lodging & travel-related
- Unclear how states and localities will spend added tax revenue and federal dollars
- Senate infrastructure bill won't become law before October, if at all
- Best private prospects: remodeling, local distribution centers, data centers, restaurants

# Long-run construction outlook (post-pandemic)



- Slower population growth means slower demand growth for most construction
- Permanent shift from retail to e-commerce/distribution structures
- More specialized and online healthcare facilities; fewer hospitals, nursing homes
- More wind, solar, battery storage and charging facilities, and related manufacturing
- Less oil drilling and pipeline construction
- Continuing demand for K-12 but much less for higher ed construction
- Not clear if offices will decentralize or remain in less demand
- Not clear yet if urban/rural or state-to-state trends will change

# Population change by state, July 2019–July 2020 (U.S.: 0.35%)

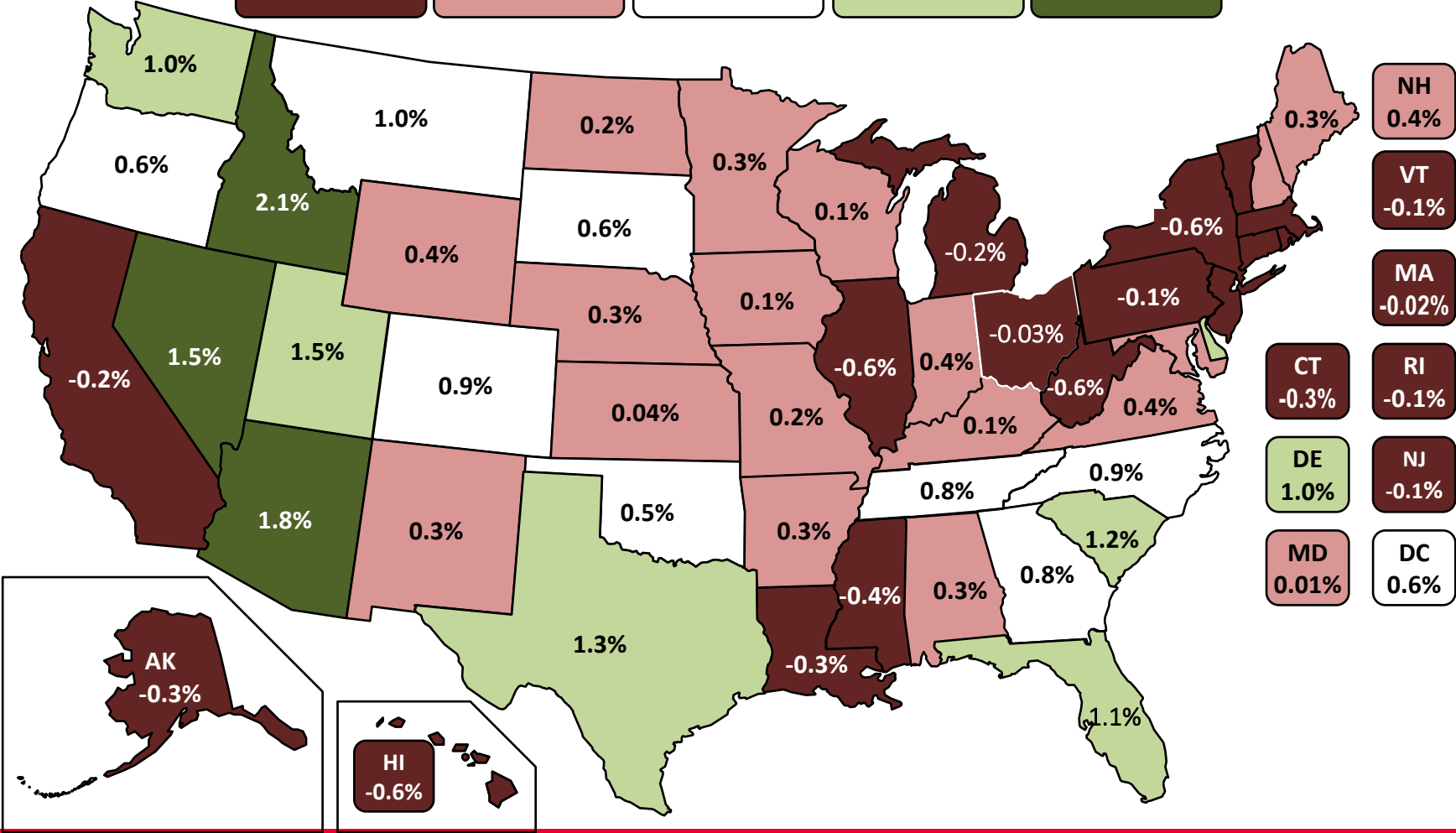


### Top 5

ID	2.1%
AZ	1.8%
NV	1.5%
UT	1.5%
TX	1.3%

### Bottom 5

NY	-0.6%
IL	-0.6%
HI	-0.6%
WV	-0.6%
MS	-0.4%



# AGC economic resources

(email [ken.simonson@agc.org](mailto:ken.simonson@agc.org))

- *The Data DIgest*: weekly 1-page email (subscribe at <http://store.agc.org>)
- *Construction Inflation Alert*:  
<https://www.agc.org/learn/construction-data/agc-construction-inflation-alert>
- ConsensusDocs Price Escalation Resource Center:  
<https://www.consensusdocs.org/price-escalation-clause/>
- Surveys, state and metro data, fact sheets: [www.agc.org/learn/construction-data](http://www.agc.org/learn/construction-data)
- Monthly press releases: construction spending; producer price indexes; national, state, metro employment with rankings

